IN THE CLAIMS

Claims 21, 29, 30 and 31 have been amended. New claims 40 and 41 have been added. This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1 to 20 (cancelled).

Claim 21 (currently amended): A gas turbine, comprising

a core engine including a high pressure compressor and a shaft connected thereto for driving said high pressure compressor;

an electrical power generator connected to the shaft generating electrical power from the shaft, the electrical power generator further including an air turbine receiving compressed air drawn from the high pressure compressor to generate electrical power, the electrical power generator including a first generator connected to the shaft, the first generator generating electrical power from the mechanical shaft power drawn from the core engine via the shaft, the electrical power generator further including a second generator connected to an air turbine, the air turbine generating mechanical power from the compressed air, and the second generator capable of generating electrical power from the mechanical power generated by the air turbine or alternatively the mechanical shaft power drawn from the core engine via the shaft, the second generator capable of generating electrical power from mechanical power generated by the air turbine as the first generator generates electrical power from the mechanical shaft power drawn from the core engine via the shaft.

Claims 22 to 24 (canceled).

Claim 25 (previously presented): The gas turbine as recited in Claim 21, wherein the electrical power generator generates electrical power in a high load range of the core engine exclusively from mechanical shaft power drawn from the core engine via the shaft.

Claim 26 (previously presented): The gas turbine as recited in Claim 21, wherein the electrical power generator generates electrical power in a lower load range of the core engine

from the mechanical shaft power drawn from the core engine via the shaft and from pneumatic energy contained in the compressed air.

Claim 27 (previously presented): The gas turbine as recited in Claim 21, further comprising a controller, wherein the controller, as a function of the load range of the core engine, automatically connects or disconnects the electrical power generator from the compressed air.

Claim 28 (previously presented): The gas turbine as recited in Claim 21, wherein the first generator is connected to the shaft via a first gear.

Claim 29 (currently amended): The gas turbine as recited in Claim ~~21~~ 28, wherein the second generator is connected to an air turbine via a second gear.

Claim 30 (currently amended): The gas turbine as recited in Claim ~~21~~ 29 further comprising a freewheel assigned to the second gear which cooperates with the air turbine.

Claim 31 (currently amended): The gas turbine as recited in Claim ~~21~~ 30, wherein the first and second generators are connectable to one another via a controllable clutch, the first and second generators being driven in an upper load range of the core engine exclusively by the shaft.

Claim 32 (previously presented): The gas turbine as recited in Claim 31, wherein the first and second gears are connected to one another via the controllable clutch and the freewheel decouples the air turbine.

Claim 33 (previously presented): The gas turbine as recited in Claim 31 wherein the first and second generators are decoupled in a lower load range of the core engine, the first generator being driven exclusively by the shaft and the second generator being driven exclusively by the air turbine.

Claim 34 (previously presented): The gas turbine as recited in Claim 33, wherein the

controllable clutch decouples the first and second generators by decoupling the first and second gears from one another, and the freewheel couples the air turbine with the second generator via the second gear.

Claim 35 (previously presented): The gas turbine as recited in Claim 21, wherein the electrical power generator is connected to the shaft via a gear, the electrical power generator generating electrical power from the mechanical shaft power drawn from the core engine via the shaft.

Claims 36 to 38 (canceled).

Claim 39 (previously presented): The gas turbine as recited in Claim 21 wherein the first and second generators are decoupled in a lower load range of the core engine, the first generator being driven exclusively by the shaft and the second generator being driven exclusively by the air turbine.

Claim 40 (new): A gas turbine, comprising

a core engine including a high pressure compressor and a shaft connected thereto for driving said high pressure compressor;

an electrical power generator connected to the shaft generating electrical power from the shaft, the electrical power generator further including an air turbine receiving compressed air drawn from the high pressure compressor to generate electrical power, the electrical power generator including a first generator connected to the shaft, the first generator generating electrical power from the mechanical shaft power drawn from the core engine via the shaft in a lower load range and a higher load range, the electrical power generator further including a second generator connected to an air turbine, the air turbine generating mechanical power from the compressed air, and the second generator generating electrical power from the mechanical power generated by the air turbine in the lower load range and from the mechanical shaft power drawn from the core engine via the shaft in the higher load range.

Claim 41 (new): A gas turbine, comprising

a core engine including a high pressure compressor and a shaft connected thereto for driving said high pressure compressor;

an electrical power generator connected to the shaft generating electrical power from the shaft, the electrical power generator further including an air turbine receiving compressed air drawn from the high pressure compressor to generate electrical power, the electrical power generator including a first generator connected to the shaft, the first generator generating electrical power from the mechanical shaft power drawn from the core engine via the shaft, the electrical power generator further including a second generator connected to an air turbine, the air turbine generating mechanical power from the compressed air, and the second generator generating electrical power from the mechanical power generated by the air turbine; and

a controller, the controller disconnecting and connecting the electrical power generator from the compressed air so that an operating characteristic curve of the gas turbine maintains a predetermined surge limit margin.